

MD 276 IS CONSIDERED TO RUN  
IN AN NORTH-SOUTH DIRECTION

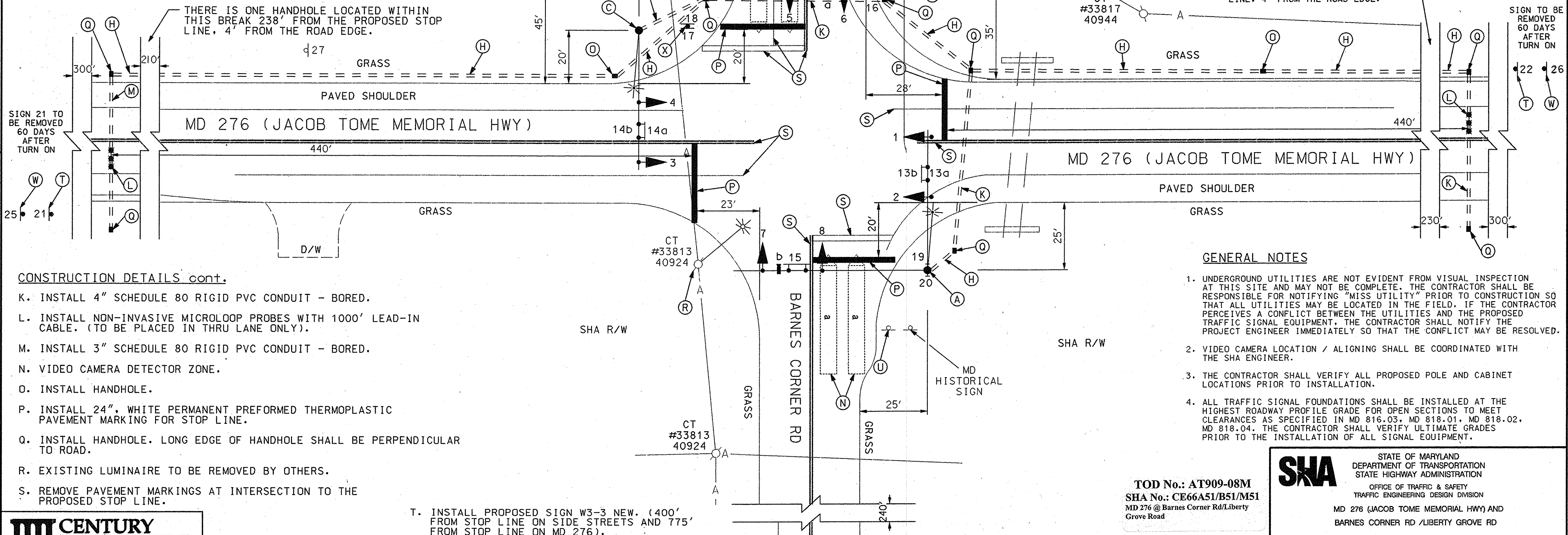
# EXISTING SIGNS TO REMAIN PROPOSED LED SIGNAL HEADS

## PROPOSED SIGNS

## NEMA PHASING

### CONSTRUCTION DETAILS

- INSTALL 27' STEEL POLE WITH TWIN 50' X 70' MAST ARMS, TRAFFIC SIGNAL HEADS, SIGNS, VIDEO DETECTOR CAMERA, AND 20' LIGHTING ARM WITH 250 WATT HPS LUMINAIRE (NOTE: 1-3" PVC BEND).
- INSTALL 27' STEEL POLE WITH 50' MAST ARM, TRAFFIC SIGNAL HEAD, SIGNS, AND VIDEO DETECTOR CAMERA. (NOTE 1-3" PVC BEND.)
- INSTALL 27' STEEL POLE WITH 50' MAST ARM, TRAFFIC SIGNAL HEADS, SIGNS, AND 20' LIGHTING ARMS WITH 250 WATT HPS LUMINAIRE ( NOTE: 1-3" PVC BEND.)
- INSTALL METERED SERVICE PEDESTAL. (NOTE: 1-4" 90° PVC BEND WITH 4" CONDUIT TO CT POLE NO. 33813-40923, 1' STUB AT POLE BASE WITH PULL STRING AND 2-2" 90° PVC BENDS).
- INSTALL A SIZE "6" BASE-MOUNTED CABINET WITH NEMA CONTROLLER AND ALL NECESSARY EQUIPMENT. (NOTE: 2-4" PVC AND 2-2" PVC BENDS.)
- USE CT POLE NO. 33813-40923 FOR SERVICE FEED AND UNDERGROUND TELEPHONE DROP.
- INSTALL 2" SCHEDULE 80 RIGID PVC - TRENCHED.
- INSTALL 3" SCHEDULE 80 RIGID PVC - TRENCHED.
- INSTALL 4" SCHEDULE 80 RIGID PVC - TRENCHED.



### CONSTRUCTION DETAILS cont.

- INSTALL 4" SCHEDULE 80 RIGID PVC CONDUIT - BORED.
- INSTALL NON-INVASIVE MICROLOOP PROBES WITH 1000' LEAD-IN CABLE. (TO BE PLACED IN THRU LANE ONLY).
- INSTALL 3" SCHEDULE 80 RIGID PVC CONDUIT - BORED.
- VIDEO CAMERA DETECTOR ZONE.
- INSTALL HANDHOLE.
- INSTALL 24", WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
- INSTALL HANDHOLE. LONG EDGE OF HANDHOLE SHALL BE PERPENDICULAR TO ROAD.
- EXISTING LUMINAIRE TO BE REMOVED BY OTHERS.
- REMOVE PAVEMENT MARKINGS AT INTERSECTION TO THE PROPOSED STOP LINE.

- INSTALL PROPOSED SIGN W3-3 NEW. (400' FROM STOP LINE ON SIDE STREETS AND 775' FROM STOP LINE ON MD 276).
- REMOVE EXISTING STOP SIGN WHEN SIGNAL IS TURNED ON.
- REMOVE EXISTING STOP AHEAD SIGN LOCATED 275' IN ADVANCE OF INTERSECTION.
- REMOVE INTERSECTION AHEAD WARNING SIGN APROX. 800' IN ADVANCE ON MD 276 AND REPLACE WITH D-3(3) ADVANCE STREET NAME SIGN.
- INSTALL GROUND MOUNTED SIGN.

### GENERAL NOTES

- UNDERGROUND UTILITIES ARE NOT EVIDENT FROM VISUAL INSPECTION AT THIS SITE AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING "MISS UTILITY" PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES A CONFLICT BETWEEN THE UTILITIES AND THE PROPOSED TRAFFIC SIGNAL EQUIPMENT, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
- VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
- THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
- ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.

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UTILITY LEGEND	
SD	STORM DRAIN
G	GAS MAIN
W	WATER MAIN
S	SEWER MAIN
E	ELECTRIC CABLES
A	AERIAL CABLES
T	TELEPHONE CABLES
F	FIBER-OPTIC

TOD No.: AT909-08M  
SHA No.: CE66A51/B51/M51  
MD 276 @ Barnes Corner Rd/Liberty Grove Road

**SHA**  
STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 276 (JACOB TOME MEMORIAL HWY) AND  
BARNES CORNER RD /LIBERTY GROVE RD

APPROVALS		TRAFFIC SIGNAL PLAN	
DESIGNED BY	AJM	COUNTY	CECIL
DRAWN BY	JRL	LOGMILE	07027605.82
CHECKED BY	PAT	T.I.M.S. NO.	H383
F.A.P. NO.		TOD NO.	
TS NO.	TS -4509	DRAWING NO.	1 OF 2

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